

ABSTRACT OF THE DISCLOSURE

The invention relates to a process for the ~~evaluation of evaluating~~ a received signal of an SAR/MTI pulsed radar system ~~emitting transmitted that transmits~~ SAR and MTI pulses with $[[a]]$ respective definable pulse repetition frequency $[[0]]$ $\text{PRF}_{\text{SAR}} [[,]]$ ~~and~~ $\text{PRF}_{\text{MTI}} [D]$, ~~such that~~ the received signal ~~being is~~ a superimposition consisting of echo pulse sequences of SAR echo pulse ~~signals~~ and MTI echo pulse signals. According to the invention, in the received echo pulse sequence of the received signal, each ~~SAR echo from an area of interest pulse, corresponding, to an integral multiple of an integral ratio of the pulse repetition frequency PRF_{MTI} of the transmitted MTI signal to the pulse repetition frequency PRF_{SAR} of the transmitted SAR signal and received after a transmitted SAR pulse, is evaluated in an SAR process. The, and the remaining pulses of the received echo pulse sequence of the received signal are evaluated in using an MTI process, in which case the pulse for the MTI signal processing absent as a result of the SAR signal processing is reproduced by means of interpolation methods.~~

(Figure 3)'